

Name: \_\_\_\_\_

**p1106: Solve by factoring (v12)**

1. Solve the equation

$$x^2 + 2x - 35 = 0$$

2. Solve the equation

$$x^2 - 4x - 12 = 0$$

3. Solve the equation

$$7x^2 - 6x + 31 = 6x^2 + 7x - 5$$

4. Solve the equation

$$9x^2 + 12x + 10 = 8x^2 + 3x - 4$$

5. Solve the equation

$$9x^2 - 19x + 47 = 8x^2 - 5x - 2$$

6. Solve the equation

$$3x^2 - 16x - 64 = 0$$

7. Solve the equation

$$11x^2 + 30x + 16 = 0$$

8. Solve the equation

$$10x^2 + 32x + 30 = 5x^2 + 6x + 6$$

9. Solve the equation

$$15x^2 - 5x - 9 = 4x^2 + 9x + 7$$

10. Solve the equation

$$12x^2 - 52x + 65 = 7x^2 - 3x - 7$$